

13281 U.S. PTO
040104

**NONPROVISIONAL PATENT
APPLICATION TRANSMITTAL RULE §1.53(b)
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

17510 U.S. PTO
10/814788
040104

Customer Number 32294

SQUIRE, SANDERS & DEMPSEY LLP
14TH Floor
8000 Towers Crescent Drive
Tysons Corner, Virginia 22182-2700
Telephone: 703-720-7800
Fax: 703-720-7802

Docket No.: 58501.00047

Date: April 1, 2004

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

MAILSTOP PATENT APPLICATION

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): BACTERIAL EFFECTS ON METAL ACCUMULATION BY
PLANTS

By (Inventors): Jay Scott ANGLE (Ellicott City, Maryland, USA); Rufus L.
CHANEY (Beltsville, Maryland, USA); Reda Abdelaziz ABOU-
SHANAB (Hyattsville, Maryland, USA); Peter VAN BERKUM
(Columbia, Maryland, USA)

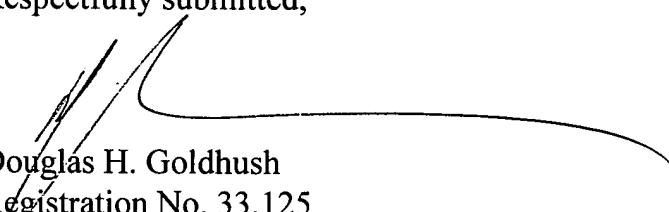
- ☒ 25 pages of Specification/Claims 1-72/Abstract are attached.
- ☐ Formal drawings (Figs. 1- ; sheets) are attached.
- ☐ A Declaration and Power of Attorney is attached.
- ☐ An assignment of the invention to _____ is attached, along with Form PTO-1595 and a check for \$40.00.
- ☐ This application is entitled to Small Entity Status.
- ☐ Priority of foreign application No. _____ filed _____ in _____ is claimed under 35 U.S.C. §119.
- ☐ Priority of U.S. Provisional Application(s) No. _____ filed _____ is claimed under 35 U.S.C. §119(e).
- ☐ A certified copy of the above corresponding foreign application is attached.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

			SMALL ENTITY			LARGE ENTITY	
FOR:	NO. FILED	NO. EXTRA	RATE	FEE	<u>OR</u>	RATE	FEE
BASIC FEE				\$ 385	<u>OR</u>		\$ 770
TOTAL CLAIMS	72 - 20	= 52	x 9 =		<u>OR</u>	x 18	\$936
INDEP CLAIMS	3 - 3	= 0	x 43 =		<u>OR</u>	x 86	
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+145 =		<u>OR</u>	+290	
			TOTAL		<u>OR</u>	TOTAL	\$1,706

☒ A check for the filing fee is not enclosed at this time.

Respectfully submitted,


Douglas H. Goldhush
Registration No. 33,125

DHG/scc